

ABSTRACT

A remote control imaging system includes an independently controlled imaging platform controlled by a camera operator. The telecontrol unit includes a video preview monitor and camera and trim controls. The telecontrol unit may also include an interface for attachment of a conventional camera control handle to permit selection of the telecontrol zoom, iris, focus and camera on/off controls or the attached conventional camera control handle zoom, iris, focus and camera on/off controls. The imaging platform is capable of motion about three orthogonal axes independent of the motion or control of a support vehicle, such as a crane or helicopter. The imaging platform may also accommodate rapid interchange of a variety of imaging devices using a standardized three point securing system, which may also isolate vibration from the support vehicle. Each point of the securing system may be further vibration isolated to enhance image quality. It is emphasized that this abstract is provided to comply with the rules requiring an abstract, which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.